

**METHOD FOR MANAGING AN UNCORRECTABLE, UNRECOVERABLE
DATA ERROR (UE) AS THE UE PASSES THROUGH A PLURALITY OF
DEVICES IN A CENTRAL ELECTRONICS COMPLEX**

ABSTRACT

A method and system for managing uncorrectable data error (UE) conditions as the UE passes through a plurality of devices in a central electronic complex (CEC) is disclosed. The method and system comprises detecting a UE-RE by at least one device in the CEC; and providing an attention signal by at least one device to a diagnostic system to indicate the UE-RE condition. The method and system further includes analyzing the UE-RE attention signal by the diagnostic system to produce an error log with a list of failing parts and a record of the log. A method and system in accordance with the present invention provides a new fault isolation methodology and algorithm, which extends the current capability of a service processor runtime diagnostic code (PRD). The method and system in accordance with the present invention allows for correct error isolation and for surfacing of appropriate service action messages on a processing system that has successfully recovered from an uncorrectable data error (UE) condition. The method allows for the accurate determination of an error source and provides appropriate service action if and when the system fails to recover from the UE condition.